(19) World Intellectual Property Organization

International Bureau



- 1 Mart 2 Mart 19 Mar

(43) International Publication Date 25 August 2005 (25.08.2005)

PCT

(10) International Publication Number WO 2005/077937 A1

- (51) International Patent Classification⁷: C07D 401/12, 409/14, 405/14, A61K 31/4709, 31/4025, A61P 29/00
- (21) International Application Number:

PCT/IN2005/000010

- (22) International Filing Date: 7 January 2005 (07.01.2005)
- (25) Filing Language:

English

(26) Publication Language:

22/MUM/2004

English

(30) Priority Data:

9 January 2004 (09.01.2004) IN

(71) Applicant (for all designated States except US): CADILA
HEALTHCARE LIMITED [IN/IN]; Zydus Tower, Satel-

lite Cross Roads, Amedadabad 380 015, Gujara (IN).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LOHRAY, Braj, Bhushan [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellite Cross Roads, Ahmedabad 380 015, Gujarat (IN). LOHRAY, Vidya, Bhushan [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellite Cross Roads, Ahemdabad 380 015, Gujarat (IN). JAIN, Mukul, R. [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellite Cross Roads, Ahmedabad 380 015, Gujarat (IN). THOMBARE, Pravin, S. [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellit Cross Roads, Ahmedabad 380 015, Gujarat (IN).
- (74) Agents: SUBRAMANIAM, Hariharan et al.; Subramaniam, Nataraj & Associates, E- 556, Greater Kailash-II, New Delhi 110 048 (IN).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

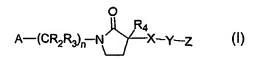
as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBSTITUTED HYDROXAMIC ACID DERIVATIVES AS TNF INHIBITORS



(57) Abstract: The present invention relates to novel compounds of formula (1) and their pharmaceutically useful compositions as MMP and TNF inhibitors.